| **PROFESSOR:**       | **PHONE NUMBER:**       |
| --- | --- |
| **OFFICE LOCATION:**       | **E-MAIL:**       |
| **OFFICE HOURS:**       | **SEMESTER:**       |

# COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:

## BSC 1010L GENERAL BIOLOGY I LABORATORY (1 CREDIT)

This laboratory, which accompanies BSC 1010, emphasizes the development of scientific reasoning, formulation of problem statements, and development of investigational techniques and data collection skills used to evaluate scientific hypotheses. Hands-on exercises and instrumental techniques common to studies of cell biology are employed to study topics introduced in BSC 1010.

## PREREQUISITES FOR THIS COURSE:

(SB 1720 Testing Exemption or successful completion of all developmental courses) and (BSC 1005 or 1 credit of high school biology) with a “C” or better

### CO-REQUISITES FOR THIS COURSE:

### BSC 1010

Recommended: CHM 2032 or higher

## GENERAL COURSE INFORMATION: Topic Outline.

* Components of the scientific method
* Designing experiments
* Data management skills
* How to design one of the following: a scientific presentation, laboratory notebook, a scientific paper, or an oral scientific report
* Conducting assigned experiments

## ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:

**C**ommunicate clearly in a variety of modes and media.

**R**esearch and examine academic and non-academic information, resources, and evidence.

**E**valuate and utilize mathematical principles, technology, scientific and quantitative data.

**A**nalyze and create individual and collaborative works of art, literature, and performance.

**T**hink critically about questions to yield meaning and value.

**I**nvestigate and engage in the transdisciplinary applications of research, learning, and knowledge.

**V**isualize and engage the world from different historical, social, religious, and cultural approaches.

**E**ngage meanings of active citizenship in one’s community, nation, and the world.

### A.  General Education Competencies and Course Outcomes

1. Listed here are the outcomes/objectives assessed in this course which play an integral part in the student’s general education along with the general education competency they support.

Integral General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency:

* + Apply the elements of the scientific method.

2. Listed here are the outcomes/objectives assessed in this course which play a supplemental part in the student’s general education along with the general education competency they support.

Supplemental General Education Competency: **Communicate**

Course Outcomes or Objectives Supporting the General Education Competency:

* + Analyze and graph scientific data.

### B. In accordance with Florida Statute 1007.25 concerning the state’s general education core course requirements, this course meets the general education competencies for natural sciences.

* + Students will demonstrate the ability to critically examine and evaluate scientific observation, hypothesis, or model construction, and to use the scientific method to explain the natural world.
	+ Students will successfully recognize and comprehend fundamental concepts, principles, and processes about the natural world.

**C. Additional Course Learning Outcomes/Objectives**

* + Acquire knowledge of laboratory techniques and equipment.

## DISTRICT-WIDE POLICIES:

### PROGRAMS FOR STUDENTS WITH DISABILITIES

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College’s guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at <http://www.fsw.edu/adaptiveservices>.

### REPORTING TITLE IX VIOLATIONS

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct.  Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at equity@fsw.edu.  Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online.  Additional information and resources can be found on the College’s website at <http://www.fsw.edu/sexualassault>.

## REQUIREMENTS FOR THE STUDENTS:

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

## ATTENDANCE POLICY:

The professor’s specific policy concerning absence. (The College policy on attendance is in the Catalog, and defers to the professor.)

## GRADING POLICY:

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

90 - 100 = A

80 - 89 = B

70 - 79 = C

60 - 69 = D

Below 60 = F

(Note: The “incomplete” grade [“I”] should be given only when unusual circumstances warrant. An “incomplete” is not a substitute for a “D,” “F,” or “W.” Refer to the policy on “incomplete grades.)

## REQUIRED COURSE MATERIALS:

(In correct bibliographic format.)

## RESERVED MATERIALS FOR THE COURSE:

Other special learning resources.

## CLASS SCHEDULE:

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

## ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:

(Which would be useful to the students in the class.)